

Title (en)
Process for the recovery of perfluorinated sulphonic acids from spent acid

Title (de)
Prozess für die Rückgewinnung von Perfluorosulphonsäuren aus Rückständen

Title (fr)
Procédé pour la récupération des acides perfluorosulfoniques

Publication
EP 1044963 A3 20010516 (EN)

Application
EP 00105197 A 20000313

Priority
US 12689899 P 19990330

Abstract (en)
[origin: EP1044963A2] Method for the recovery of a fluorinated sulphonic acid from a spent acid product by steps of subjecting the spent acid product to thermal treatment to obtain the acid in its active form and a residue, and separating the active acid from the residue by stripping with a stripping agent, comprising the further steps of separating the stripping agent from the active acid by distillation and withdrawing the separated stripping agent.

IPC 1-7
C07C 303/02; **C07C 303/44**; **B01J 27/32**; **B01J 38/02**

IPC 8 full level
B01J 31/40 (2006.01); **B01J 38/00** (2006.01); **C07C 303/44** (2006.01); **C07C 309/06** (2006.01)

CPC (source: EP)
B01J 31/0227 (2013.01); **B01J 31/4092** (2013.01); **C07C 303/44** (2013.01); **B01J 2231/4205** (2013.01); **Y02P 20/584** (2015.11)

Citation (search report)

- [AD] EP 0671213 A1 19950913 - HALDOR TOPSOE AS [DK]
- [XP] EP 0976451 A1 20000202 - HALDOR TOPSOE AS [DK]
- [AP] EP 0957086 A2 19991117 - HALDOR TOPSOE AS [DK]
- [AP] EP 0939069 A1 19990901 - HALDOR TOPSOE AS [DK]
- [A] EP 0889015 A1 19990107 - HALDOR TOPSOE AS [DK]
- [A] JP H10156148 A 19980616 - ASAHI GLASS CO LTD
- [A] JP H10174847 A 19980630 - ASAHI GLASS CO LTD
- [AD] US 5759357 A 19980602 - HOMMELTOFT SVEN IVAR [DK]
- [AD] US 5472921 A 19951205 - HOMMELTOFT SVEN I [DK]
- [A] EP 0633063 A1 19950111 - HALDOR TOPSOE AS [DK]
- [A] US 5498754 A 19960312 - NAKAMURA TAMIO [JP], et al
- [A] FR 2661409 A1 19911031 - RHONE POULENC CHIMIE [FR]
- [AD] EP 0614699 A1 19940914 - HALDOR TOPSOE AS [DK]

Cited by
EP1258475A3; EP1065199A3; US6891076B2; US7087803B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1044963 A2 20001018; **EP 1044963 A3 20010516**; JP 2000302747 A 20001031

DOCDB simple family (application)
EP 00105197 A 20000313; JP 2000091999 A 20000329